

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 00/00152

A. CLASSIFICATION OF SUBJECT MATTER		
IPC7: H04L 29/02, H04L 12/24 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
IPC7: H04L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
SE,DK,FI,NO classes as above		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98/33302 A1 (DSC TELECOM L.P.), 30 July 1998 (30.07.98), page 7, line 3 - page 9, line 11 --	1-13
X	WO 98/21668 A1 (ASANTE TECHNOLOGIES, INC.), 22 May 1998 (22.05.98), page 4, line 9 - page 6, line 17 --	1-13
X	WO 99/08420 A1 (SIEMENS AKTIENGESELLSCHAFT), 18 February 1999 (18.02.99), page 4, line 15 - page 7, line 19 --	1-13
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 28 June 2000		Date of mailing of the international search report 03 -07- 2000
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86		Authorized officer IRMA BORNHEDE/EE Telephone No. +46 8 782 25 00

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5870558 A (ROBERT A. BRANTON, JR. ET AL), 9 February 1999 (09.02.99), column 10, line 59 - column 13, line 51 --	1-13
P,X	US 5996010 A (DOAN DUC H ET AL), 30 November 1999 (30.11.99), column 13, line 20 - column 14, line 12 -- -----	1-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

02/12/99

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 98/33302 A1	30/07/98	NONE	
WO 98/21668 A1	22/05/98	NONE	
WO 99/08420 A1	18/02/99	NONE	
US 5870558 A	09/02/99	AU 3502597 A WO 9750210 A US 5845062 A	14/01/98 31/12/97 01/12/98
US 5996010 A	30/11/99	NONE	

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